

ABSTRACT

A communication proxy apparatus is provided which provides a capability of quickly accessing the latest data with a cache and performing a fast access control by a simple indication in response to the request for accessing the data without changing a server device and a client device. The communication proxy apparatus further includes individual action control apparatus of explicitly specifying ID information of said data for the specific data or conditionally indicating execution of an action by adding an individual action tag to the data given back from another apparatus together with the data and distributive access managing apparatus of recording accesses to the specific data by using said control apparatus, executing the indicated process to the communication proxy having accessed said data, and collecting the execution results and giving them back.